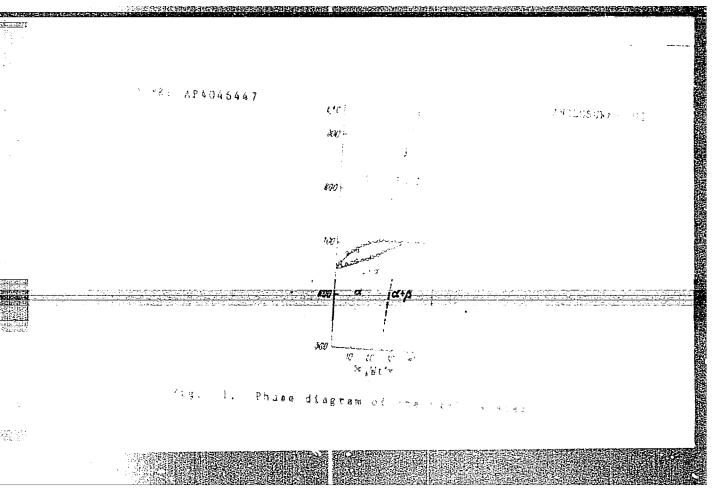
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BRUNOV, V.K.; VLADIMIROVA, 7.A.; KOVBA, L.M.; KOMISSAROVA, L.N.

Birary oxides in the system ZrC₂ - Nb₂O₅. Lav. AH SSSR. Neorg. Lat. 1 nc.7:1152-1154 J1 165. (A1RA 18:9)

1. Khimicheskiy fakulitet Mcskovskogo gosudarstvennogo universiteta imeni M.V.Lomonosova.

EWT(m)/EPF(c)/EWP(t)/EWP(b) IJP(c) L 7539-66 JD/JG/\vB ACC NR: AP5025782 SOURCE CODE: UR/0363/65/001/009/1493/1497 AUTHOR: Komissarova, L. N.; Men'kov, A. A.; Vasil'yeva, L. M. ORG: Moscow State University im. M. V. Lomonosova (Moskovskiy gosudarstvennyy universitet) TITLE: Properties of scandium phosphide 55, 27 SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 9, 1965, 1493-1497 TOPIC TAGS: phosphide, scandium compound, corrosion resistance, physical chemistry property ABSTRACT: Scandium phosphide was obtained by direct reaction of metallic scandium and red phosphorous. The substances were mixed in powder form in a quartz ampoule. A table shows the detailed temperature conditions used for the reaction. The resulting fine black powder was analyzed for scandium and phosphorous. The article gives a diagram of the analytical apparatus and the results of analysis in tabular form. X-ray analysis was done by the powder method. The x-ray photos were taken with a RKD-86 camera with filtered copper irradiation. Card 1/2UDC:546. 633'181. 1

L 7539-66

ACC NR: AP5025782

The scandium phosphide obtained had a crystal structure of the sodium chloride type with a = 5.302±0.005 kX, Z=4. Its density at 20C was 3.33 grams/cm³. The compound was thermally stable during heating in a high vacuum (10-4 mm Hg). It underwent no polymorphic transtions in the interval from 20 to 1500C and did not melt up to 2000 C. However, during heating above 1000 C, even in a high vacuum, the surface of the sample oxidized with the formation of scandium phosphate. In air, scandium phosphide begins to oxidize hoticeably above 350C. A sample held in air at 1200 C to constant weight, increases in weight by 79% X-ray analysis of the oxidized sample shows the lines characteristic of anhydrous ScPO4(scandium phosphate) with the parameters a=6.578±0.003A, c=5.795±0.005A. The chemical resistance of scandium phosphide was investigated in water, acids (HCl, H₂SO₄, and HNO₃), and alkalis (25 and 50% solutions of NaOH) of different concentrations. Results are shown in a table. In general, scandium phosphide was found to be resistant to water and alkaline solutions, but to be easily decomposed by acids. Orig. art. has: 2 figures and 5 tables

SUB CODE:IC/ SUBM DATE: 19May65/ ORIG REF: 003/ OTH REF: 002

Card 2/2

KOMISSAROVA, L.N.

The monthly rhythm, Trudy Kaz. NIGMI no.6:56-59 '56. (MIRA 10:9)
(Mateorology)

Komissarova, L-N.
PHASE I BOOK EXPLOTATION

AUTHOR: See table of contents

387

TITLE: Trudy Tsentral nogo instituta prognozov (Transactions of the Central Institute of Forecasting). Mr 51, Voprosy dolgosrochnykh prognozov (Longterm Forecast Problems)

PUB. NATA: Gidrometeorologicheskoye izdatel'stvo, Leningrad, 1957, 150 pp., 1,000 copies

ORIG. AGENCY: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete ministrov SSSR

EDITOR: Kurganskaya, V. M.; Pisarevskaya, V. D.; Tech. Ed.: Vladimirov, O. G.

PURPOSE: This collection of articles is for specialists in the field of long-term weather forecasting.

COVERAGE: The collection of articles analyzes the rhythmicity of atmospheric processes and especially those originating in polar regions, and it evaluates the possibility of using the occurrence of rhythms in weather forecasting.

Card 1/7

synoptic patterns. There are 3 tables, 14 maps, 2 diagrams, and 3 Soviet references.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000824120004-0"

Card 2/7 "

Transactions of the Central Institute of Forecasting

387

Vitel's, L. A. Solar Origin of Atmospheric Rhythms

The author examines the relationship between solar activity and atmospheric processes and draws the following conclusions: 1. Periods of intensified solar activity can neither be ascribed to definite areas nor can they be considered constant in their degrees of intensity. 2. Although rhythmic changes in atmospheric processes are dependent on variations in solar activity, yet similar solar effects do not always produce identical responses in atmospheric rhythms. The article mentions S. T. Pagava, K. V. Brodovitskiy, P. P. Predteinskly, B. M. Rubashev (Pulkovo Observatory), M. N. Gnevyshev (Pulkovo Observatory), M. S. Eygenson, V. G. Shishkov, and V. V. Shuleykin as the leading scientists in the field of studies of solar impact on atmospheric processes. There are 11 diagrams, 2 maps, and 26 references, of which 20 are Soviet, 1 is French and 5 are in English.

Isayev, E. A.

Investigation of a Sharp Decline in Temperature in European USSR Caused by
Certain Synoptic Processes.

The author separates the occurrence of cold waves in synoptic processes of the moderate zone of European USSR into ultra polar, meridional and normal types and remarks on the role of the advection of cold air masses from the polar region.

Card 3/7

The first chapter of the article contedus general information on the nature of cold waves, and a number of anticyclonic outbreaks travelling southwards is analyzed. The existence of monthly rhythmicity in all types of processes and its application in long-term forecasts is the subject of the second part of the article. In the third part the author compiles statistical data on air temperature during the first six months of the year for Moscow, Voronezh, Penza, and Vologda and he demonstrates the probability of recurrence and rhythmicity in such repetitions. The author defines the term "sharp" decline in temperature as a decline of the average daily temperature by 5° to 10°C during cold seasons and 3° to 7°C in warm seasons provided that such temperature lapse occurs within 1-2 days. The author concludes that in addition to seasonal rhythmicity there are also monthly rhythms of synoptic processes. The statistical data are to prove that a definite successive recurrence exists among the various types of air circulation and also in the location and distribution of baric fields. Consequently, the occurrence of certain types of synoptic situations during a given period will allow the prediction of definite synoptic situations in the non-distant future. There are 11 tables, 14 maps, and 5 Soviet references.

Card 4/7

Transactions of the Central Institute of Forecasting

387

Avanesova A. G., Kask L. I., and Yausheva G. Sh. Occurrence of Selected Ultrapolar Processes in Central Asia and Kazakhstan.

83 The authors evaluate the efficacy of long-term weather forecasts based on the periodic occurrence of ultrapolar processes. The latter are traced along their meridional extent from some definite reference points in the North, i.e., the Barents Sea, Novaya Zemlya, etc. In the appendix, 54 ultrapolar processes are analyzed and their reference localities specified. In addition, the tabular material specifies also the occurrence of respective synoptic phenomena consequent upon the appearance of polar air processes. The rhythmicity of recurrence is repeated in intervals of 3 to 5 months. There are 11 maps, 1 diagram, and 4 tables, in addition to 16 pages of tabular data in the appendix. All 7 references are Soviet.

Goncharova, Ye. F. Synoptic Conditions of the Exceptionally Cold Spring of 1952 in Northern Caucasus The average daily temperature in March was 2° to 5°C below the norm April and May, 1° to 1.5°C. Similar conditions were observed during the springs of 1945, 1940, 1933, etc. The article analyzes these conditions. There are

Card 5/7

recurrence of conditions can be observed every) to) months. In lace S. T. Pagava proved that there are also intermediate rhythms which repeat at intervals of 45-75 days. In the present article the author not only recapitulates the work of his predecessors but also describes the nature of such polar APPROVED FOR RELEASE 606/e13/2000 from CTA-REPEG-005137000824120004-0" as the Kara Sea, Kolyma, etc. The author explains the role of these processes

Card 6/7

387

In synoptic forecasts and their low reliability. The appendix contains data on synoptic processes which may be similiar, different, or reversed with respect to their corresponding polar processes. There are 3 maps, 5 diagrams, 8 Soviet references, 5 tables, and a 9-page appendix.

AVAILABLE: Library of Congress (QC 851.M64)

Card 7/7

GC/bmd 6 June 1958

AUTHOR:

Burkova, M. V.

50-2-19/22

TITLE:

Some Remarks on the Paper by L.N. Komissarova "The Frequency of Southern Cyclones Over Central Asia and Kazakhstan". (Nekotoryye zamechaniya po rabote L.N. Komissarovoy "Povtoryayemost' yuzhnykh tsiklonov nad Sredney Aziyey i Kazakhstanom").

PERIODICAL:

Meteorologiya i Gidrologiya, 1958, Nr 2, pp. 52-53 (USSR).

ABSTRACT:

L.N. Komissarova treats in her work anew the problem of the origin of the southern cyclones which has been solved already a long time ago by central asiatic synopticians. The author determines 6 types of cyclones according to the characteristic of the regions of their origin. She determines the average positions of the frontal altitude zones for each type and gives statistics on the frequency of the various types during the time from 1931 to 1951, i.e. the following types: 1) South--Caspian, 2) Aschchabad, 3) North-Caspian, and 4) Furgaysk cyclones, 5) cyclones of the Aral Sea and 6) Syr-dar'ynsk cyclones. The division of the central asiatic south-cyclones into 3 main types, south-Caspian, Murgabsk, and upper--Amudarynsk, which for long years had been subjected to an examination, were completely ignored by Mrs. Komissarova. She

Card 1/2

CIA-RDP86-00513R000824120004-0

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-UUDI Some Remarks on the Paper by L.N. Komissarova "The Frequency of Southern Cyclones Over Central Asia and Kazakhstan".

50-2-19/22

neither tries to compare the statistical data obtained by her to the statistics of Sarymsakov, T.A., V.A. Bugayev, and V.A. Dzhordzhio, nor to criticize their principles used for the classification of cyclones. The exploitation of the aerological data in the research of the origin of the cyclones is a positive fact of Komissarova's paper. The ignorance of the technical literature in this case has led Mrs. Komissarova to an inadequate representation and to the repetition of facts which have been worked out thoroughly already a long time.

AVAILABLE:

Library of Congress

TSIREL'NIKOV, V.I.; KOMISSAROVA, L.N.; SPITSYN, Vikt.I., akademik

Vapor density of hafnium tetrachloride at high temperatures.

Dokl.AN SSSR 145 no.5:1081-1084 162. (MIRA 15:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova. (Hafnium chloride) (Vapor density)

KOROVIN, S.S.; MIRONENKO, A.P.; REZNIK, A.M.; KOMISSAROVA, L.N.

Extraction of hydrochloric acid and of certain elements by acetophenone. Izv.vys.uch.zav.; khim.i khim.tekh. 5 no.4:553-558 162. (MIRA 15:12)

1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomoncsova, kafedra tekhnologii redkikh i rasseyannykh elementov.

(Hydrochloric acid) (Acetophenone)

SHATSKIY, V.M.; KOMISSAROVA, L.N.; SPITSYN, Vikt. I.

Precipitation of scandium hydroxide and scandium oxalate.
Zhur.neorg.khim. 7 no.10:2294-2298 0 '62. (MIRA 15:10)
(Scandium compounds) (Precipitation (Chemistry))

KOMISSAROVA, L. N.

TITLE: Seminar on refractory metals, compounds, and alloys (Kiev, April 1963). SCURCE: Atomnaya energiya, v. 15, no. 3, 1963, 266-267. ACCESSION NR: AP3008085

Sa metals and carbon; mutual solubility of transition metals.

- L. N. Komissarova and others. Investigation of the physical properties of scandium and its compounds.
- L. M. Kovba, V. K. Trunov. Investigation of the composition and structure of transition-metal oxide compounds.
- A. P. Epik. Laws governing the change of the activation energy in the teaction diffusion of nonmetals in refractory transition metals.
- B. N. Oshcherin. New formulas for calculating the activation energy of self-diffusion.

The special equipment used in the investigation of refractory materials such as Nb, Mo, Ta, W, and monocarbides at temperatures above 2000—2500C was described by A. Ye. Sheyndin (metals), A. Novitskiy (hard materials), and D. L. Timrot (alloys and compounds).

Card 7/11

APPROVED, FOR RELEASEAROW, 13, 12000 CIA-RDP86-00513R000824120004-0"

Solubility of Sc(NO₃)3.4H₂O and ScOH(NO₃)2.3H₂O in water, in solutions of nitric acid, and in organic solvents. Zhur. neorg. khim. 8 no.6:1498-1504 Je '63. (MIRA 16:6)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra neorganicheskoy khimii.

(Scandium compounds) (Nitric acid)

(Solubility)

S/020/63/149/003/019/028 B192/B102

AUTHORS: Komissarova, L. N., Pokrovskiy, B. I.

TITLE: On the thermal stability of ScF, and its interaction with MgF2

TEXT: The melting temperature and the thermal stability of SoF₃ as well as its interaction with MgF₂ in the molten state are investigated. The thermal stability of SoF₃ was measured by continuously weighing the samples in a temperature range from 20-1000°C. A small loss of weight was already observed when they were heated up to 400°C in air. Above 650°C there is a strong change in weight, ceasing at 950°C where it amounts to 32,3%. The Debye diagrams of samples having different losses of weight show only the lines of the scandium oxides and of the fluoride, with no oxyfluorides. The rate at which SoF₃ becomes transformed into Soc₂0₃ depends considerably on the temperature. At 900°C the complete transformation requires 2.5 hours, at 800°C 5.3 hours, at 700°C as long as 11 hours. The SoF₃ melts Card 1/3

S/020/63/149/003/019/028 B192/B102 On the thermal stability of ScF_z ...

at 1530+20°C and undergoes a polymorphic transformation at 1350+20°C. In the system ScF3 - MgF2 there is a narrow range of solid solutions between O and 5 mol% ScF, whose existence is confirmed by the decrease of the polymorphic transormation temperature from 960°C for pure MgF, to 840°C for alloys containing more than 5 mol% ScF3. Besides this, a decrease of the lattice constant of the solid phase was found if the concentration of ScF3 was increased. The ScF3 and the solid solution with MgF2 formed a eutectic. The eutectic point corresponds to 34 mol% ScF $_3$, the melting temperature of the eutectic mixture is 1095° J. There are 4 figures and

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: November 22, 1962; by V. I. Spitsyn, Academician

Card 2/3

ACCESSION NR: AP4019495

S/0078/64/009/003/0693/0697

AUTHOR: Komissarova, L. N.; Wang, Ken-shih; Spitsy*n, Vikt. I.; Simanov, Yu. P. (Deceased)

TITLE: The La sub 2 O sub 3-HfO sub 2 system

SOURCE: Zhurnal neorg. khimii, v. 9, no. 3, 1964, 693-697

TOPIC TAGS: La sub 2 O sub 3-HfO sub 2 system, lanthanum oxide containing system, hafnium oxide containing system, phase diagram, phase transition, thermal analysis, x-ray analysis, specific electric resistance, La sub 2 Hf sub 2 O sub 7, structure, pyrochlore structure S_{L}

ABSTRACT: The phase transitions in the La₂O₃-HfO₂ system in the 1300-2450C temperature interval were investigated by thermal and x-ray analysis and by measuring the specific electric resistance of a number of samples. A phase diagram(fig. 1) was constructed in which the boundaries of several areas were approximated. The formation of the compound LagHf2O7 and of solid solutions

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SU:

LDP86-00513R000824120

ACCESSION NR: AP4019503

s/0078/64/009/0**03/0766/0**767

AUTHORS: Men'kov, A.A.; Komissarova, L.N.

TITLE: X-ray investigation of scandium iodide

SOURCE: Zhurnal neorg. khimii, v.9, no.3, 1964, 766-767 scandium lodide, preparation, structure, x ray analysis,

ABSTRACT: Anhydrous scandium iodide was prepared by heating a 10% excess of metallic scandium with iodine at 7000 in a quartz ampoule until violet iodine vapors disappeared. X-ray study showed that ScI3 crystallizes in a rhombohedral lattice with the following parameters: 2.85, z = 6. ScI3 approximates the Fe013 type structure and consequently is characterized by the Parameter ScI- density. quently is characterized by the RJ(C:) Fedorov group. Soly density, determined by x-ray method is 4.70 and pyknometrically is 4.63 gm/cm. lytical laboratory for help in the work. Orig. art. has: 1 table.

ACCESSION HR: AP4019503
ASSOCIATION: None
SUBMITTED: 18Apx63 DATE ACQ: 51Mar64 ENGL: 00
SUB CODE: PH NR REP SOV: 002 OTHER: 002

Cord 2/2

MEN'KOV, A.A.; KOMISSAROVA, L.N.

X-ray diffraction examination of scandium bromide. Zhur. neorg. khim. 9 no.7:1759-1760 Jl 164. (MIRA 17:9)

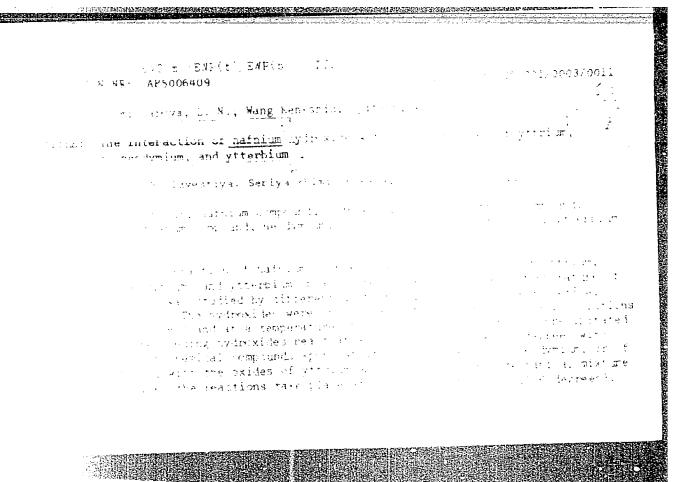
KOMISSAROVA, L.N.; POKROVSKIY, B.I.

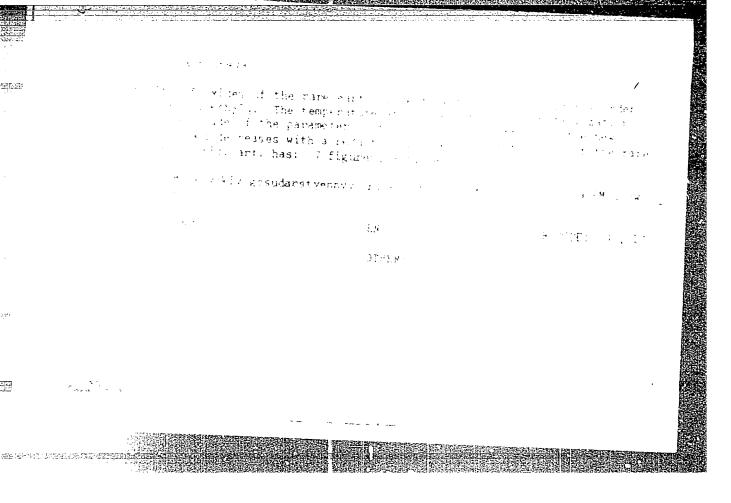
Magnesium-thermal reduction of scandium fluoride. Zhur. neorg. khim. 9 no.10:2277-2279 0 '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova, Kafedra neorganicheskcy khimii.

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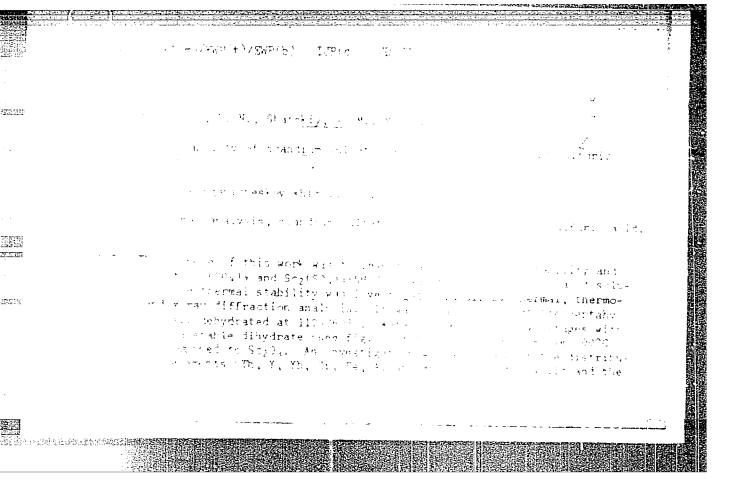




PLYUSHCHEV, V.Ye.; YURAHOVA, L.I.; KOMISSAROVA, L.N.

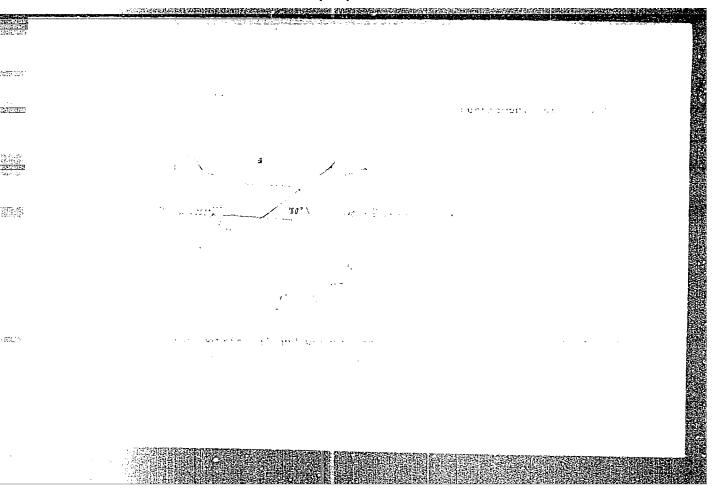
Basic oxynitrates of zirconium and hafnium. Zhur. neorg. khim.
10 no.3:643-646 Mr '65.

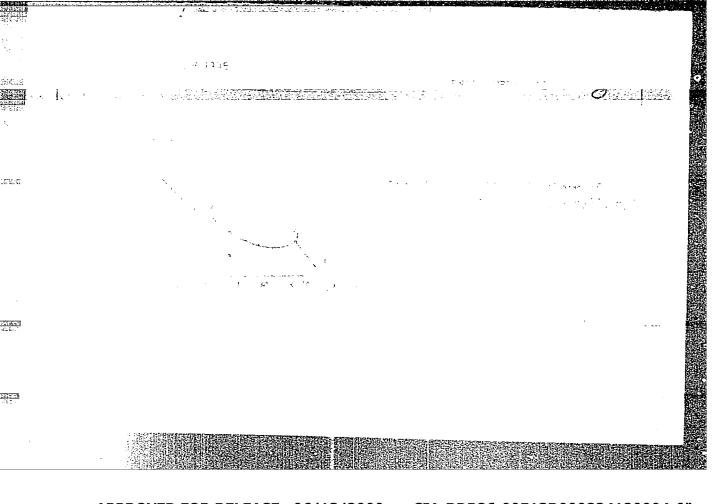
(MIRA 18:7)

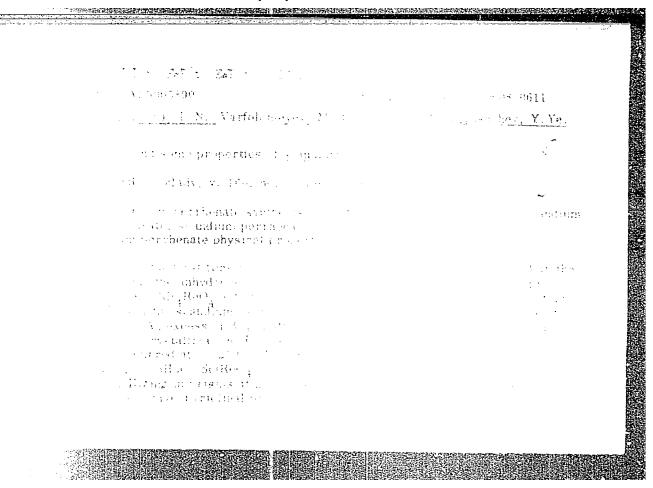


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EWT(m)/EPF(n)-2/T/EWP(t)/EWP(b)/EWA(c) L 1557-66 JD/WH/JG ACCESSION NR: AF5022267 UR/0363/65/001/007/1152/1154 546.831+546.882 AUTHOR: Trunov, V. K.; Vladimirova, Z. A.; Kovba, L. H.; Komissarova, L. N. TITLE: Binary oxides in the ZrO sub 2-Nb sub 2 0 sub 5 system SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 7, 1965, zirconium compound, niobium compound TOPIC TAGS: ABSTRACT: The formation of compounds in the ZrO2-Nb2O5 system was studied by x-ray phase analysis. Two methods were used to prepare the compounds: coprecipitation of hydroxides followed by annealing at 1000 and 1300C, and annealing of stoichiometric mixtures of oxides. Formation of the phase of variable composition $Zr_{1-n}Nb_nO_{2+n}/2$ was observed and its unit cell constants were determined for various compositions. Three new phases were identified in the region rich in niobium pentoxide: Zr02.5NB205, Zr02.7Nb205, and Zr02.nNb205 (5<n <7-8). Interplanar distances of these compounds are tabulated. It is shown that the phase ZrO2 · nNb2O5 is formed only when coprecipitated niobium and zirconium hydroxide are annealed. Orig. art. has: 4 tables.

1	ASSOCIATION: Khimicheskiy fakul tet, Moskovskiy gosud M. V. Lomonosova (Chemistry Department, Moscow State D					rstvenn	yy univers	iitet im	
	SUEMITTED:		Encl:		10 March				
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SPITSYN, Vikt.I.; GRANOVSKIY, Yu.V.; KOMISSAROVA, L.N.; BORISOVA, A.P.; SAVICH, I.A.

Spectrophotometric study of the process of complex formation by the Box-Wilson method. Vest. Mosk. un. Ser. 2: Khim. 20 no.2:50-53 Mr-Ap '65. (MIRA 18:7)

1. Kafedra neorganicheskoy khimii Moskovskogo universiteta.

E.RIECUM A.D., SAVICH, 1.3., OPAND SKOV, O.J., FOMESCAROVA, A.N., SPITSYN, VIKELE.

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KOMISSAROVA, L.V., MENIKOT, L.L., VASILITEVA, N.M.

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1. Meekovekiy genumnyatvannyy paivaritan isani lemenanya.

GEL PERIN, N.I.; KOMISSAROVA, L.N.; YURCHENKO, L.D.; MIRONENKO, A.P.; KOROVIN, S.S.

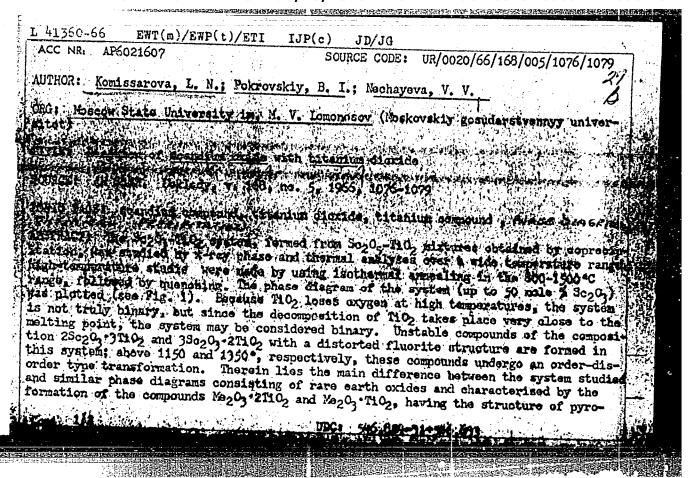
Extraction of zirconium and hafnium from hydrochloric acid solutions by acetophenone. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.3:402-406 *65. (MIRA 18:10)

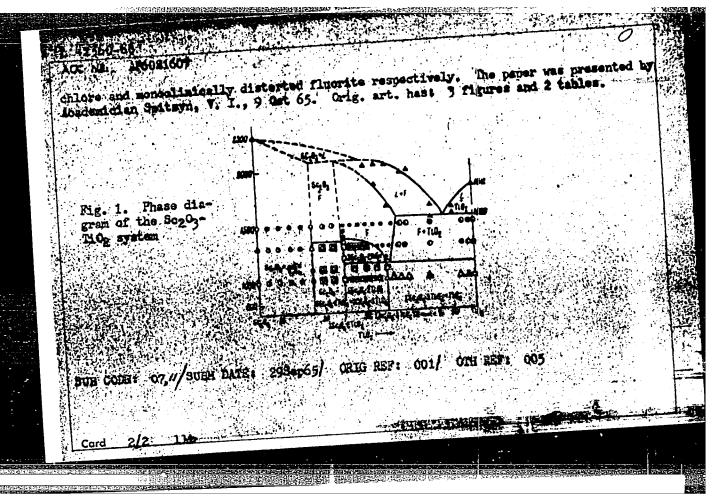
1. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni Lomonosova, kafedra khimii ietekhnologii redkikh i rasseyannykh elementov.

11877-66 EWT(m)/EWP(t)/EWP(b) IJP(c) ACC NR JD/JG AP6000764 UR/0078/65/010/012/2826/2827 AUTHOR: Komissarova, L. N.; Pokrovskiy, B. I. ORG: Moscow State University im. M. V. Lomonosov. Department of Inorganid Chemistry (Moskovskiy gosudarstvennyy universitet, Kafedra neorganicheskoy khimii) TITLE: Reaction of scandium oxide with oxides of the alkaline earth SOURCE: Zhurnal neorganicheskoy khimii, v. 10, no. 12, 1965, 3826-2827 TOPIC TAGS: chemical reaction, scandium compound, alkaline earth oxide, ABSTRACT: The article describes the synthesis of several compounds of different compositions belonging to the barium oxide-scandium oxide system. Starting materials were chemically pure barium carbonate and scandium oxide with an impurities content of less than 0.1%. A mixture of barium carbonate and scandium oxide (0.5 grams) containing 3% excess carbonate over the calculated amount was ground with athyl alcohol, pressed into tablets under a pressure of 3000 kg/cm2 and subsequently annealed for 10 hours at 1300°C and then for 2 hours more at 1500°C. Phase analysis of the sintered samples was done by x-ray UNC: 546.633'41-31+546.633'42-31+546.633'431-3 2/2 |

L 23800-66 EWT(m)/EWP(t) IJP(c) JD/JG ACC NR. AP6007251 UR/0363/66/002/002/0275/0280 CA) AUTHOR: Komissarova, L.N.; Po rovskiy, V.I.; Shaplygin, I.S. ORG: Moscow State University im. M.V. Lomonosov. Department of Chemistry (Moskovskly gosudarstvennyy universitet, Khimicheskly fakul tet) Reaction of manganese and scandium oxides in air TOPIC TAGS: manganese compound, scandium compound, chemical reaction SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v.2, no.2, 1966, 275-280 ABSTRACT: A table shows the composition of the samples investigated, the calcining temperature, and the calcining time. The mole & content of scandium oxide in the samples varied from 0 to 100%, the calcining temperature from 700 to 1100°C, and the calcining time from 2 to 100 hours. The starting samples were prepared by precipitation of scandium and manganese hydroxides by a mixture of NH40H + H202 from nitric acid solutions. The samples were calcined in a platinum boat at 700-150000 and then quenched in liquid nitrogen. An X-ray analysis was made of the samples. An NTR-62 unit was used for thermal analysis. The magnetic susceptibility was determined by the Faraday method. The article gives a phase diagram of the system, constructed from the experimental data. UDC: 546'713-31 + 546.631-3

established the existence of a compound with the composition ScMn03 and three types of cubic solid solutions; based on Sc203, Mn203, and a cubic modification with the composition Mn304. The compound ScMn03 crystallizes in a hexagonal lattice; its specific magnetic susceptibility is 18.0 ± 0.5 x 10⁻⁶ abs. el. units/gram; at 1350 ± 20°C it decomposes with the formation of solid solutions based on Sc203 and the cubic modification Mn304. The solubility of Mn203 in scandium oxide changes only slightly with temperature and is from 17 to 20 mole %; the solubility of Sc203 in cubic Mn304. rises sharply from 10.5 mole % at 1200°C to 30.0 mole % at 1500°C. The article demonstrates further that scandium oxide does not form compounds or a wide range of solid solutions with Mn0, N10, Co0, Cd0, and Zn0. Orig. art. has: 5 figures and 4 tables. SUB CODE: 07/ SUBM DATE: 30Jul65/ ORIG REF: 002/ OTH REF: 003





APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000824120004-0"

KOMISSAROVA, M.

Volunteer aids. Sov. professivay 19 no.16120-22 Ag '63.

(MIRA 16:10)

1. Zaveduyushchaya meditsinskim otdelom TSentral'nogo soveta po upravleniyu kurortami professional'nykh soyuzov.

KOMISSAROVA, Margarita Guriyevna; FOLTORANOV, Vladimir Vladimirovich;
SLUTSKIY, Semen Yakovlevich; KOZLOV, I.I., red.; BLOKHIN, N.N.,
red.; ANDREYEVA, L.S., tekhn. red.

[Health resorts of trade unions in the U.S.S.R.] Zdravnitsy
profsciuzov SSSR; spravochnik. Moskva, Izd-vo VTaSPS Profizdat, 1962. 494 p.

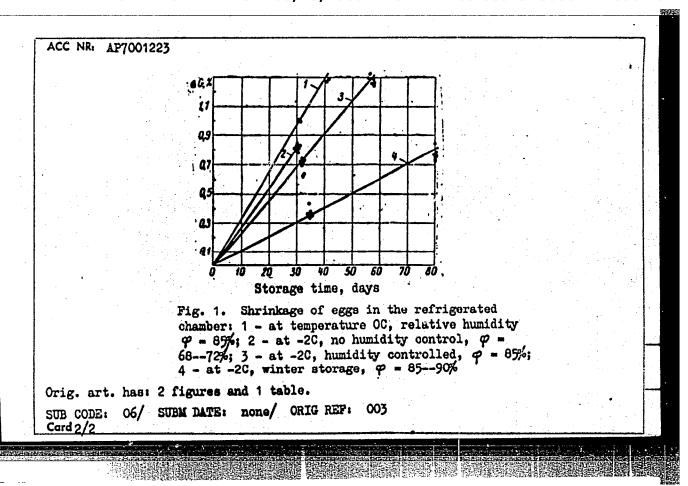
(HEALTH RESORTS, WATERING-PLACES, ETC.)

(HEALTH RESORTS, WATERING-PLACES, ETC.)

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120004-0

SOURCE CODE: UR/0066/66/000/012/0030/0031 ACC NR AP7001223 AUTHORS: Kurylev, Ye. S. (Candidate of technical sciences); Yanovskiy, S. I.; Komissarova, M. G.; Fishman, M. A.; Terent'yeva, N. A. Kurylev and Yanovskiy Leningrad Engineering Institute for Refrigeration Industry (Leningradskiy tekhnologicheskiy institut kholodil'noy promyshlennosti); Komissarova, Fishman, and Terent'yeva/ Leningrad Refrigerated Transportation Combine (Leningradskiy khladokombinat) TITLE: Storage of eggs in refrigerated chambers with controlled air humidity SOURCE: Kholodil'naya tekhnika, no. 12, 1966, 30-31 TOPIC TAGS: food preservation, refrigeration, humidification ABSTRACT: A chamber for storage of eggs maintained at -1.5 to -2.00 and 85% relative humidity is described. Maintenance at these conditions gave an increase of 1.5 times the egg storage period as compared with instructions given by the literature (Spravochnik po ekspluatatsii kholodil'nykh skladov. Pod redaktsiyey D. G. Ryutova. Gostorgizdat, 1963). The difficulty of maintaining the desired humidity (encountered during the summer) was circumvented by injecting steam by jet air-distribution. The chamber was loaded with 14 780 cartons of eggs. The storage time was up to 7 months. The weight loss of eggs was measured by weighing them every 30--35 days with an accuracy of ± 0.1 g. Results of the study are shown in Fig. 1. UDC: 637.4.004.4 Card 1/2



ACHKASOVA, I.O.; GAIKINA, A.G.; YEFREMOV, I.I.; SMAKHTINA, Yu.B.; KOMISSAROVA, M.I.; SOVETOVA, L.Ye.; CHISTIKOVA, A.I.; SHAKHOVA, A.N.

Effectiveness of ambulatory treatment of cholelithiasis patients at Zheleznovodsk Health Resort. Sbor. nauch. rab. vrach. san.-kur. uchr. profectizov no.1:121-125 '64. (MIRA 18:10)

1. Zheleznodorozhmaya kurortnaya poliklinika (glavnyy vrach I.I. Yefremov).

S/126/63/015/002/019/033 E081/E441

AUTHORS: Volkov, S.D., Klinskikh, N.A., Komissarova, M.L.

TITLE: Stresses and strains in polycrystals

PERIODICAL: Fizika metallov i metallovedeniye, v.15, no.2,1965,274-279

TEXT: The connection is discussed between structural (microscopic and macroscopic) stress components and the (microscopic and macroscopic) stress components and the corresponding strains. It is shown that if the microstresses and microstrains are given in a determinate coordinate system, and microscopic (mathematically) values coincide with the macroscopic their mean (mathematically) values coincide with the macroscopic values are given in a random coordinate system and microscopic values are given in a random coordinate system and averaged over all possible orientations of the random coordinates, averaged over all possible orientations of the random coordinates, the mean values do not coincide with the macroscopic values. The mean values do not coincide with the assertion of E. Kröner Accordingly, in contradiction to the assertion of E. Kröner Accordingly, in contradiction to the assertion of macroscopic (Zs.Phys., v.151, no.4, 1958, 504; Acta met., v.9, no.2, 1961, 155) (Zs.Phys., v.151, no.4, 1958, 504; Acta met., v.9, no.2, 1961, 155) elastic constants appears to be inaccurate. There also appears elastic constants appears to be inaccurate. There also appears to be an error in the initial assumptions of S.B.Batdorf and to be an error in the initial assumptions of S.B.Batdorf and B. Budiansky (J. Appl. mech., v.121, no.4, 1954, 523) in which a

Stresses and strains ...

S/126/63/C15/CC2/C19/O55
EO81/E441

theory of plasticity allowing for structural effects is proposed.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S.M.Kirova
(Ural Polytechnic Institute imeni S.M.Kirov)

SUBMITTED: May 28, 1962

Card 2/2

5/258/63/003/001/009/022 E201/E141 AUTHORS: Volkov S.D. and Komissarova M.L. (Sverdlovsk) On some representations of general solutions of TITLE: boundary value problems in the theory of elasticity PERIODICAL: Inzhenernyy zhurnal, v.3, no.1, 1963, 86-92 TEXT: The basic equations for the classical linear boundary value problems in the theory of anisotropic elasticity are the equilibrium equations, the geometrical equations expressing strains in terms of displacements, and the stress-strain equations (the generalised Hooke's law), containing 21 elastic constants. A general method of solving these equations is proposed which is more compact and convenient than the usual solution, particularly when dealing with statistically non-linear problems. These problems arise when the body under consideration is subject to chance fluctuations either in the conditions to which it is exposed, or in its own properties, for example, an aircraft wing in a turbulent air current, or a loaded polycrystalline body. The equilibrium equations, the geometrical equations, and the

On some representa		S/258/63/003/00 E201/E141	/009/022						
stress-strain equations are generalised to fit the statistical problem; the distribution of chance magnitudes and functions is governed by the "expectation" and "correlation" functions. Thus, in the statistical boundary value problem, it is necessary to find not only the stress and strain distributions, but also the expectation and correlation functions, and a method based on three and six arbitrary functions is proposed for accomplishing									
this. SUBMITTED: May 28	3, 1962								
		21 (1994)							
	이 교통 등에 들어 있다면 하는 것이 되었다. - 이 경기를 보고 있는 것같은 기계 등록 하는 것을 하는 것이 같습니다.		기가 되는 사람들이 있다. 사람, 지난 1일 등록 기가 기가 있다.						
Card 2/2									
Card 2/2									

VOLKOV, S.D.; KLINSKIKH, N.A.; KOMISSAROVA, M.L.

Stresses and deformations in polycrystalline materials. Fiz. met. i metalloved. 15 no.2:274-279 F '63.

(MIRA 16:4)

1. Ural'skiy politekhnioleskiy institut imeni Kirova.
(Dislocations in orystals)
(Crystal lattices)

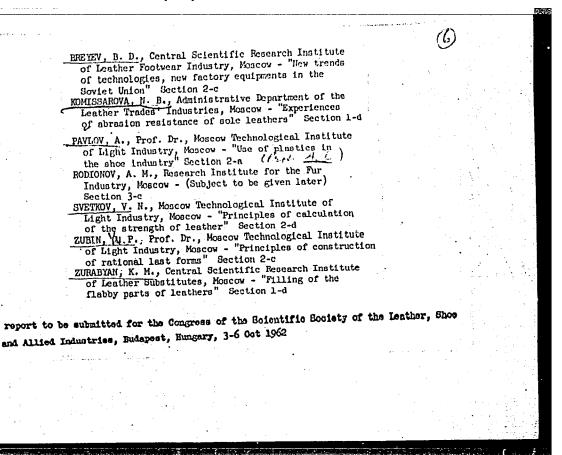
KONISSAROVA, M. V.

Mbr., Central Scientific Research Institute of Forestry, Leningrad (-1947-)

"Cytological Investigation of Polyploids of the Pinus Silvestris L.," Dok. AN, 58, No. 9, 1947

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000824120004-0



"APPROVED FOR RELEASE: 06/13/2000 CIA

CIA-RDP86-00513R000824120004-0

L 1,5816-66 EWT(m)/T DJ/WE

ACC NR: AP6020392 (A) SOURCE CODE: UR/0204/66/006/001/0112/0114

AUTHOR: Sanin, P. I.; Chernyavskaya, L. F.; Sher, V. V.; Komissarova, N. I.; Bogomolov, V. M.

ORG: Institute of Petrochemical Synthesis im. A. V. Topchiyev, AN SSSR (Institut neftekhimicheskogo sinteza AN SSSR)

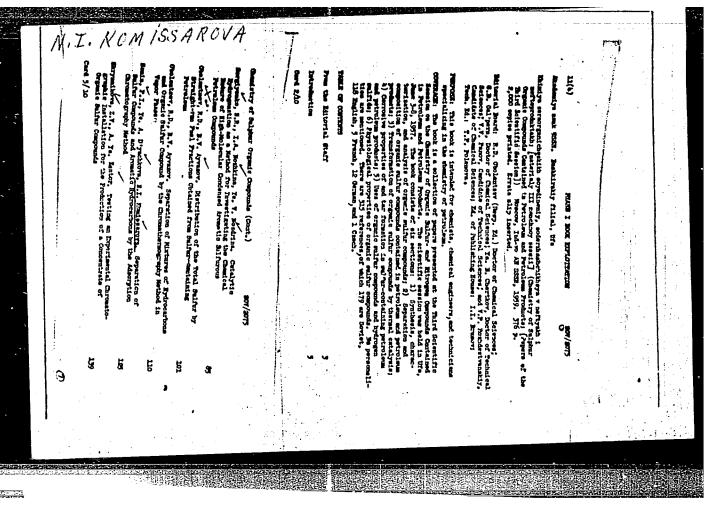
TITLE: Apparatus for oxidizing organic liquids with automatic compensation for consumed oxygen and its recording

SOURCE: Neftekhimiya, v. 6, no. 1, 1966, 112-114

TOPIC TAGS: chemical laboratory apparatus, oxidation kinetics

ABSTRACT: A circulation-type unit was constructed for the liquid-phase exidation of organic liquids (hydrocarbons lubricating oils" and other petroleum products) at various temperatures and atmospheric pressure, with automatic recording and compensation for the exygen consumed in the reaction. The unit is convenient to operate and gives reproducible results. It can be used for studying the exidation kinetics of hydrocarbons (and other compounds), for determining the stability of petroleum products, and for the comparative evaluation of the effectiveness of various antiexidants. Experimental data showed that the unit can be used to obtain kinetic data over a wide range of exidation rates (exygen absorption rates). Orig. art. has: 3 figures.

SUB CODE: 07/ SUBM DATE: 12Mar65/ ORIG REF: 001/ OTH REF: 001 Card 1/1 UDC: 542.943.084



ACCESSION NR: AP4017576

s/0065/64/000/003/0062/0066

AUTHORS: Sanin, P.I.; Sher, V.V.; Chernyavskaya, L.F.; Melent'yeva, N.V.; Komissarova, N.I.

TITLE: Stability of oils containing antioxidant and additives of the sulfonate type.

SOURCE: Khimiya i tekhnol. topliv i masel, no. 3, 1964, 62-66

TOPIC TAGS: cil anticxidant, cil additive, cil, engine cil, lubricating oil

ABSTRACT: In view of the ever increasing use of sulfonate additives (which in themselves are not antioxidants but merely dispersers) to lubricating oils (of the DS-11 type), the authors undertook a study of additives and their combined action with different antioxidants. DS-11 is an oil selectively drawn from eastern, sulfurrich crudes. Its paraffin-naphthene fraction has a molecular weight of 404,020 = 0.8627, n20 = 1.4740, oil viscosity v0 = 66.8 cst; v100 = 11.35 cst. The additives studied were: (1) SB-3 (barium sulfonate) and antioxidants DF-1 (barium dialkyldithiophosphate), Card

"APPROVED FOR RELEASE: 06/13/2000

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ACCESSION NR: AP4017576

(2) DF-11 (zinc dialkyldithiophosphate), (3) AN-22k (calcium dithiophosphate), (4) V-353 (free dialkylphenyldithiophosphoric acid), and (5) NG-183a (interaction product of terpenes and phosphoruspentasulfide neutralized with calcium oxide). Their stability was evaluated according to oxygen absorption in a closed system at 1500. It was found that the above antioxidants range according to decreasing activity: DF-11, DF-1, AN-22k, B-353, NG-183a. At great oxidation depth, only the first two increase oil stability. Orig. art. has: 4 figures.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 23Mar64

ENOL: 00

SUB CODE: OH, FL

NR REF SOV: 001

OTHER: 000

2/2

Card .

ROBINZON, Ye.A.; D'YACHKOVA, Ye.A.; KOMISSAROVA, N.I.; GAREVSKAYA, G.S.; SANIN, P.I.

Use of the exidation method for determining the structure of aromatic hydrocarbons from petroleum fractions. Nefte-khimila 3 no.4:598-608 Jl-Ag 163. (MIRA 16:11)

1. Institut neftekhimicheskogo sinteza AN SSSR imeni A.V. Topchiyeva.

8/081/61/000/022/059/076 B101/B147

AUTHORS:

Sanin, P. I., D'yachkova, Ye. A., Komissarova, N. I.

TITLE:

Separation of sulfurous compounds from aromatic hydrocarbons

by adsorption chromatography

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 22, 1961, 393, abstract

22M84 (Sb. "Khimiya seraorgan. soyedineniy,

soderzhashchikhsya v neftyakh i nefteproduktakh". M., AN SSSR,

1959, 125-138)

TEXT: Comparative studies of adsorbents of the metal silicate type were carried out with a view to separating aromatic and S compounds contained in the oil fraction (325-375°C) of the Romashki petroleum. Chromium silicate was found to be the best adsorbent. Chromium silicate enabled adsorption-chromatographic separation of that part of the light monocyclic aromatics containing 0.05% sulfur (approximately 0.4% of the S compounds) from aromatics and S compounds of the above-mentioned oil fraction (3.9% sulfur). Chromium silicate is described to have a catalytic effect on S compounds of this oil fraction. Abstracter's note: Complete translation. Card 1/1

SHUYKIN, N.I.; ERIVANSKAYA, L.A.; KOMISSAROVA, N.L.;
YAN AY-SI [Yang Ai-hsi]

Catalytic dehydrocyclization of 2-n.hexly- and 2-sec.hexylnaphthalenes.
Inv. AN SSSR Otd.khim.nauk no.2:327-333 F '62.

(MIRA 15:2)

1. Moskvskiy gosudarstvennyy universitet im, M.V.Lomonosova.

(Naphthalene)
(Aromatization)

AP4029227 ACCESSION NR:

\$/0131/64/000/004/0182/0185

AUTHOR: Guzman, I. Ya.; Komissarova, N. M.; Krutikova, I. M.; Stepanov, M. A.

TITLE: Sintering and some properties of CaF2 ceramics

SOURCE: Ogneupory*, no. 4, 1964, 182-185

ABSTRACT: Calcium fluoride has found wide use in various regions of technology as an active flux. Recently, calcium fluxide has begun to be used as a construction and shielding material for conducting a number of high-temperature chemico-metallurgical processes in fluorine-containing maia. The authors bring to light processes of sintering as well as some properties of ceramics based on calcium fluoride. Characteristics of the initial materials are given in a table. Characteristics of ceramics from commercial calcium fluoride and the characteristics of ceramics from pure calcium fluoride are presented in tables which depict their properties at different temperature ranges. The composition in properties of grain structure samples of commercial calcium fluoride are given. Testing of calcium fluoride ceramics for corrosion resistance was conducted in a fluorine medium (concentration 92-97%) at a temperature of 750°C for 16 hours. The evaluation was conducted by visual and weight methods, as well as by stability change during the testing. The rate of corrosion of laboratory and industrial samples was from 5.5 to 19 g/m²/hr;

Card 1/2

ACCESSION NR: AF4029227

during testing the stability increased. The obtained results attest to the fact that in a fluorine medium, at 750°C, calcium fluoride ceramics are completely stable and maintain their stability. Therefore, parts can be recommended for service under such conditions as refractory lining material, filters, etc. Orig. art. has: 4 tables.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. D. I. Mendeleyeva (Chemico-technological Institute)

SUEMITTED: 00 DATE ACQ: 28Apr64 ENCL: 00

SUB CODE: ML NO REF SOV: 000 OTHER: 005

GUZMAN, I.Ya.; POLUBOYARINOV, D.N.; Prinimali uchastiye: KOMISSAROVA, N.M.; MOROZOVA, V.S.

Some properties of porous ceramics made of beryllium oxide.
Ogneupory 27 no.10:457-462 '62. (MIRA 15:9)

1. Khimiko-tekhnologicheskiy institut im. Mendeleyeva.
(Refractory materials) (Beryllium oxide)

ACC NRI AT6036927

SOURCE CODE: UR/0000/66/000/000/0054/0062

AUTHORS: Serova, G. A.; Komissarova, N. M.; Vinogradova, L. V.; Makarova, T. S.

ORG: none

TITLE: Periclase refractories based on technical magnesium oxide

SOURCE: Nauchno-tekhnicheskoye obshchestvo chernoy metallurgii. Moskovskoye pravleniye. Vysokoogneupornyye materialy (Highly refractory materials), Moscow, Izd-vo Metallurgiya, 1966, 54-62

TOPIC TAGS: magnesium oxide, refractory oxide, high temperature ceranic material, refractory product, aluminum oxide

ABSTRACT: Results are reported from the study of production and properties of periclase refractories made of technical 98% MgO in the form of grains of sintered briquets. Sintered briquetting material was crushed, freed of iron impurities, and sieved. A fraction of < 0.5 mm was ground to obtain grain size < 0.06 mm, which was pressed into cylinders 36 mm in diameter and 50 mm high. The specimens were fired at 17300 for 1 or 4 hours. The porosity of the samples was 17-19%; they maintained a constant volume at 18000 and possessed a higher * ermal stability than products made of sintered MgO. Introducing ~ 8% of Al₂O₃ increased considerably the thermal stability (two to four times the number of thermal cycles). These

Cord 1/2

ACC APPROVEDED RELEASE: 06/13/2000 CIA-RDP86-00513R000824120004-0

studies culminated in initiating production (at the Podolsk Plant) of periclase refractories with granular structure and a maximum content of MgO, designed to serve as high-temperature lining materials and melting crucibles. Orig. art. has: 4 tables.

SUB CODE: 11/ SUBM DATE: 02Nov65/ ORIG REF: 013

NAPORKO, A.G., kand.ekonom.nauk; BELEN'KIY, M.N., kand.ekonom.nauk; CHERNOV, P.N., dotsent; BEL'KOV, S.P., kand.ekonom.nauk; KOMISSAROVA, N.N., prepodavatel'; FAL'KOVSKAYA, D.L., starshiy inzh.-ekonomist

Necessary textbook on transportation economics ("Economics of railroad transportation" by I.V. Bellow; N.E. Borovol; N.G. Vinnichenko; G.S. Raikher; E.D. Khanukov; and N.F. Khokhlov. Reviewed by A.G. Naporko and others). Zhel.dor.transp. 43 no.8: 95-96 Ag '61. (MIRA 14:8)

1. Zaveduyushchiy kafedroy "Ekonomika transporta" Tashkentskogo instituta inzhenervo zheleznodorozhnogo transporta (for Belen'kiy).

2. Kafedra "Ekonomika transporta" Tashkentskogo instituta inzhenerov zheleznodorozhnogo transporta (for Chernov).

(Railroads) (Belov, I.V.) (Borovoi, N.E.)

(Vinnichenko, N.G.) (Raikher, G.S.)

(Khamukov, E.D.) (Khokhlov, N.F.)

GORKIN, V.Z.; AVAKYAN, A.A.; VEREVKINA, I.V.; KOMISSAPOVI, M.V.

Use of zonal electrophoresis in vertical columns with a new anticonvection material (granulated polymethylmethacrylate) for purification of amino oxidase in the blood serum. Vop. med. khim. 8 no.6:638-645 N-D '62. (MIRA 17:5)

1. Laboritoriya biokhimil aminev i drugikh azetlatykh osnovaniy Instituta biologicheskoy i meditsinskoy khimil AMN SSSR, Moskva.

GORKIN, V.Z.; KITROSSKIY, N.A.; KLYASHTORIN, L.B.; KOMISSAROVA, N.V.; LEONT'YEVA, G.A.; LEONT'YEVA, G.

Substrate specificity of amino acid oxidase. Biokhimiia 29 no.1: 88-96 Ja-F 164. (MIRA 18:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR i Institut khimii prirodnykh soyedineniy AN SSSR, Moskva. Submitted April 28, 1963.

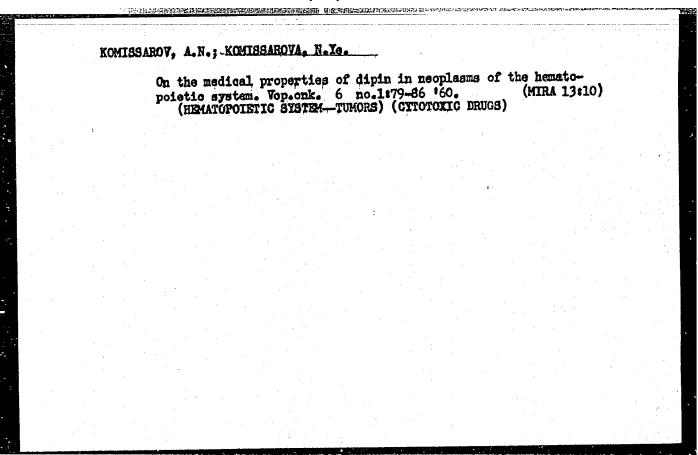
45		ì	New ways for solving problems in curing raw leather. Kozh.obuv. prom. 2 no.3:4-6 Mr '60. (MIRA 14:5)								
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KOMISSAROV, A.N., kand.med.nauk; KOMISSAROVA, N.Ye.; KOSTITSYN, L.T., kand. med.nauk

Sequence of reactive changes in the blood exposed to ionizing radiation. Terap.arkh. 31 no.8:3-12 Ag 159. (MIRA 12:11)

1. Iz Glavnogo voyennogo gospitalya imeni N.N. Burdenko (nauchnyy rukovoditel' raboty - chlen-korrespondent AMN SSSR prof. N.A. Kurshakov).

(BLOOD radiation effects)



ARKHIPOV, S.M.; KOMISSAROVA, P.D.; DRUZ', N.A.

Some promerties of cesium dichromate. Zhur. neorg. khim. 9
no.2:498-499 F'64. (MIRA 17:2)

Statistical analysis in paleomagnetic studies. Trudy VNICRI no.204:38-49 163. (MIRA 16:6) (Rocks, Sedimentary—Magnetic properties)

KOMISSAROVA, R.A.

Paleomagnetic studies of the Asha series of the western slope of the Southern Urals. Trudy VNIGRI no.204869-82 63.

(MIRA 16#6)

(Ural Mountains—Geology, Stratigraphic) (Ural Mountains—Rocks, Sedimentary—Magnetic

properties)

CIA-RDP86-00513R000824120004-0" APPROVED FOR RELEASE: 06/13/2000

KOMISSAROVA, R.A.; SLAUTSITAYS, I.P. [Slaucitais, I.] Age of the Asha series according to paleomagnetic data. Trudy VNIGRI no.186:365-369 '61. (Geological time)

32919

1.1800 1521 1087

S/194/61/000/011/049/070 D271/D302

AUTHORS:

Bystrov, Yu.M., Gulya-Yanovskiy, V.V., Komissarova, R.F., Merkulov, L.G., Novitskiy, V.A. and Sil'ver-

stov, S.P.

TITLE:

Nickel plating of type metal stereo plates in the

ultrasonic field

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 11, 1961, 11, abstract 11 E81 (Poligr. proiz-vo,

1961, no. 4, 13-15)

TEXT: The process of electrodeposition of metals in the ultrasonic field is briefly considered; it is pointed out that ultrasonics intensity this process which is explained by acceleration of diffusion phenomena in the near-cathode layer. Nickel plating of stereos with the purpose of increased wearability was conducted under the influence of ultrasonic frequency of 27 kc/s, with the specific power of 0.004 - 7 W/cm². It is shown that application

Card 1/2

32919 S/194/61/000/011/049/070 D271/D302

Nickel plating of type metal ...

of ultrasonics made it possible to shift the threshold of quality coverage from 1.5 to 5 A/dm²; this accelerates by four times the process of nickel deposition. At the same time, ultrasonic vibrations make it possible to raise cover hardness to 450 kg/mm² (intions make it possible to raise cover hardness to 450 kg/mm² (intions make it possible to raise cover hardness to 450 kg/mm² (intions make it possible to raise cover hardness to 450 kg/mm² (intions make it possible to raise cover hardness to 450 kg/mm² (intions tead of 250 when usual methods of nickel plating are used). It is note worth while increasing the ultrasonic intensity beyond 0.5 W/cm² as the deposition of metal function of current remains virtually constant after this limit. An experimental ultrasonic bath was developed with a capacity of 80 l, using two vibrators type PM-1.3; experimental plating was done in this bath in optimal conditions. It was found that by using ultrasonics nickel plating can be accelerated altogether by 6-8 times. 5 figures. I table. Abstracter's note: Complete translation

Card 2/2

KOMISSAROVA, S.

"Organization of the campaign against epidemic conjunctivitis" by E.S. Avetisov. Reviewed by S. Komissarova. Med. zhur. Uzb. no. 1:84 Ja '60. (MIRA 13:8)

(CONJUNCTIVITIS)
(AVETISOV, E.S.)

KASYMOV, T. Ya., dotsent; KOMISSAROVA, S.

Activity of the Province Scientific Opthalmological Society for 1961. Med. zhur. Uzb. no.6:63-64 Je '62. (MIRA 15:7)

1. Predsedatel Tashkentskogo oblastnogo nauchnogo oftal mologicheskogo obshchestva (for Kasymov). 2. Sakretar Tashkentskogo oblastnogo nauchnogo oftal mologicheskogo obshchestva (for (Komissarova).

(TASHKENT PROVINCE OPTHALMOLOGICAL SOCIETIES)

KRIVENTSOV, V.I.; KISLOVA, L.V.; KOMISSAROVA, S.D.; KOROEKOVA, L.

Photometric method of determining pentabromacetone. Izv. AN Turk. SSR.
Ser. fiz.-tekh., khim. i geol. nauk no.1:54-60 '65. (NIRA 18:7)

1. Institut khimii AN Turkmenekoy SSR.

KASYMOV, T.Ya., dotsent; KOMISSAROVA, S.S. Report on the work of the Tashkent Ophthalmological Society for 1960 Mad zhur. Uzb. no.5:78-79 My '61. (MIRA 14:6)

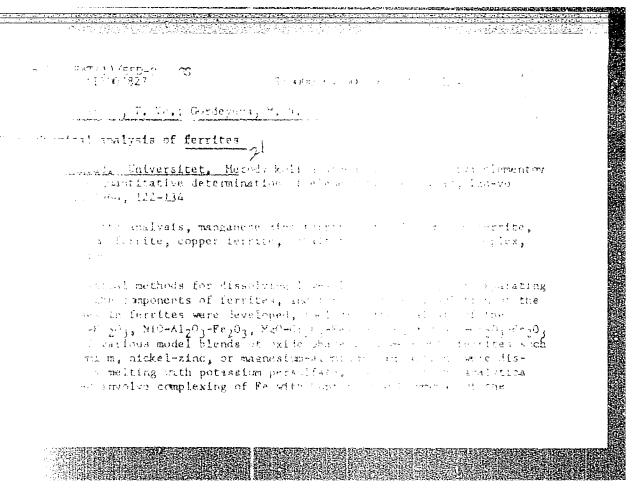
1960. Med. zhur. Uzb. no.5:78-79 My '61. (MIRA (TASHKENT PROVINCE-OPTHALMOLOGICAL SOCIETIES)

CIA-RDP86-00513R000824120004-0" APPROVED FOR RELEASE: 06/13/2000

KASYMOV, T.Ya., dotsent; KOMISSAROVA, S.S., assistent; GARIN, N.I.

Some organizational methods in the control of trachoma in the villages and districts of Tashkent Province. Med. zhur. Uzb. no.6:58-63 Je '60. (MIRA 15:2)

1. Glavnyy vrach Tashkentskogo oblastnogo trakhomatoznogo dispansera (for Garin).
(TASHKENT PROVINCE_CONJUNCTIVITIS, GRANULAR)



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	clude conventing and the ferrites of the ferrites of the ferrites of the ferrites of the experimental of t	classe conventional gravimetric and of complexemetric titrations, a classe tric, and chromatographic measures of the ferrites was determined by the first type authors acknowled to experimental work." Orig. art, has the composite titration of the composite titrations acknowledges to the composite titration of the composite titrations. The authors acknowledges to the composite titration of the composite titrations and composite titrations. The authors acknowledges to the composite titrations and composite titrations. The authors acknowledges to the composite titrations and composite titrations.

KOMISSAHOVA, Valentina Aleksandrovna, kand. tekhn. nauk; GAVRILOV, 1.1., red.

[Methods for the cementation of soils during the laying of top dressing on logging roads; a concise manual] Metody tsementirovaniia gruntov pri ustroistve dorozhnykh odezhd na lesovoznykh dorogakh; kratkoe rukovodstvo.

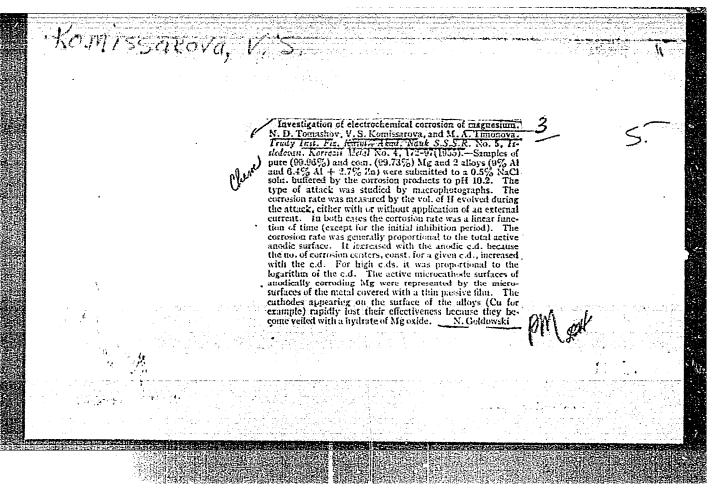
Moskva, Lesnaia promyshlennost¹, 1964. 31 p.

(MIRA 17:12)

EWI(m)/T 23740-66 ACC NRI APEO14817 SOURCE CODE: UR/0367/65/001/004/0621/0624 AUTHOR: Komissarova, V. A.; Sorokin, A. A.; Shpinel, V. S.—Shpinel, V. S. ORG :-- none TITIE: Angular distribution of resonance scattering of 23.8-KEV sub gamma-quanta on Sn sup 118 nuclei SOURCE: Yadernaya fizika, v. 1, no. 4, 1965, 621-624 TOPIC TAGS: angular distribution, resonance scattering, tin, gamma quantum, particle interaction, resonance absorption ABSTRACT: The angular distribution of the resonance scattering of 23.8-keV γ -rays on Snll9 nuclei, bound in the lattices of the compounds Mg2Sn and SnO2, have been measured and found equal to W(θ) = 1 + (0.26 \pm 0.03)F2 (cos θ) and W(θ) = 1 + (0.123 \pm 0.012)F2 (cos θ) respectively. The curve for Mg2Sn corresponds to 2 manufactors. ponds to a nonperturbed correlation; and that for SnO2, to a weakened one due to the quadrupole interaction, in which the relative magnitude of this interaction is E $/\Gamma$ = 1.4-0.4. This is in agreement with data in literature obtained from resonance absorption spectra. The authors thank L. Akhyndovaya for assistance with the measuring and L. V. Chistyskov for the chemical cleaning of the sources. Orig. art. has: 2 figures. [Based on authors' Eng. abst.] [JPRS] SUB CODE: 20 / SUBM DATE: 26Aug64 / ORIG REF: 004 / OTH REF:

SAFONOV, V.I.; IVANOV, I.N.; KOMISSAROVA, V.N.

Semiconductor capacitor frequency meter. Izm.tekh. no.5:40-43 My '63. (MIRA 16:10)



TOMASHOV, N.D.; KOMMISSAROVA, V.S.; TIMONOVA, M.A.

Investigating the electrochemical corrosion of magnesium. Trudy
Inst.fis.khim. no.5:172-197 '55.

(Magnesium--Corrosion)

(Magnesium--Corrosion)

KOMISSAROVA, V. S.,

"Self-dissolution and Anodic Behavior of Magnesium," Korroziya i azshchita metallov (Corrosion and Protection of Metals), Moscow, Oborongiz, 1957. 366 p.

PURPOSE: This book is intended for engineering, technical, and scientific personnel at industrial plants, research institutes, and design offices working in the field of corrosion-protection of stainless steel, high-strength structural steel, and light alloys.

SOV/137-58-10-21295

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 10, 121 (USSR)

AUTHOR: Komissarova, V.S.

TITLE: Self-dissolution and Anodic Behavior of Magnesium (Samora-

stvoreniye i anodnoye povedeniye magniya)

PERIODICAL: V sb.: Korroziya i zashchita metallov. Moscow, Oborongiz,

1957, pp 289-310

ABSTRACT: Processes occurring on an Mg anode in 0.25N HCl during anodic polarization with a variation in anode cd may be divided

> as follows: The period of negative differential effect (DE) $(5 - 10 \text{ ma/cm}^2)$, the period of positive DE $(10 - 100 \text{ ma/cm}^2)$, the third and fourth periods of proportional increase in the rate of evolution of H₂ with an increase of the anode cd (>100 ma/cm²). In the third period the rate of evolution of H2 with anodic polarization is lower, while in the fourth period it is higher than the rate of evolution of H2 without anodic polarization. It is established that the third and fourth periods express no DE but reflect only the anodic processes of the dissolution of Mg and other

anodic processes of the formation of oxy compounds of Cl. The same four periods are observed during the anodic polarization

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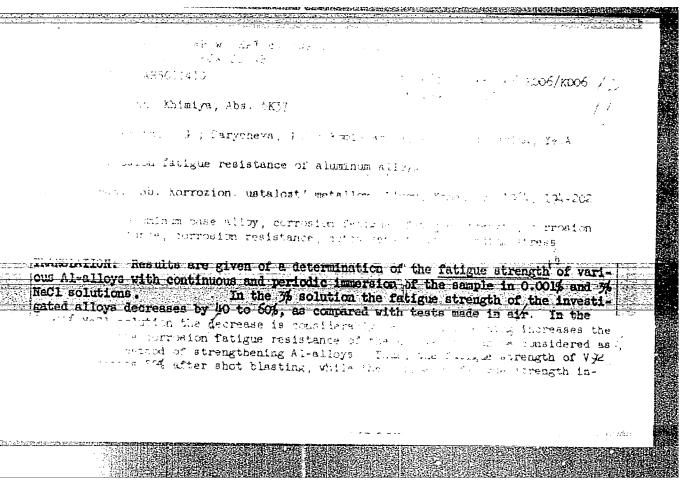
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000824120004-0 SOV/137-58-10-21295

Self-dissolution and Anodic Behavior of Magnesium

of Al in 0.5N NaOH. With an anode cd >30 ma/cm² (third and fourth periods) there begins a new process of anodic dissolution of Al and of discharge of OH with evolution of gaseous O2. During the polarization of Mg in 5%-NaC1 solution a period takes place which corresponds to the fourth period on the curve of the anodic polarization of Mg in 0.25N HCl, and which likewise reflects no negative DE. A negative DE on Mg and Al is possible during the anodic polarization with low cd's only (less self-dissolution current) in the presence on the surface of the electrode of a protective film, which is unstable in the given electrolyte. Bibliography: 15 references.

1. Magnesium--Decomposition 2. Anodes--Electrochemistry

3. Magnesium--Polarization 4. Electrolytes

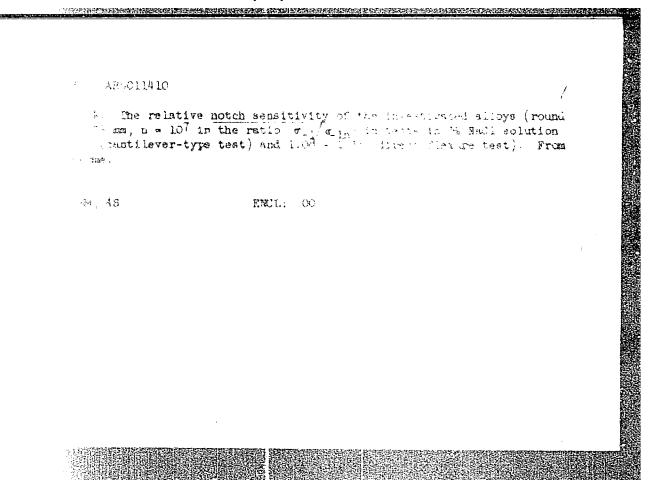


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L 40991-66 EWP(e)/EWT(m)/EWP(t)/ETI/EWP(k) IJP(c) JH/MJW/JD ACC NR: AT6024935 (N) SOURCE CODE: UR/2981/66/000/004/0232/0237 4/2

AUTHOR: Komissarova, V. S.; Kireyeva, A. F.; Klyagina, N. S.; Krivenko, R. A.

41 BH

ORG: none

Corrosion resistance of the new sintered aluminum alloys

SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochayye splayy (Heat-resistant and high-strength alloys), 232-237

ANDDIZATION, ALLOY COMPOSITION, ABluminum alloy, dispersion atre TOPIC TAGS: strength alloy, sintered aluminum powder alloy, corrosion resistance / SAS aluminum alloy

ABSTRACT: The corrosion behavior of six SAS series aluminum alloys (see Table 1) was tested in a 3% solution of NaCl + 0.1% H_2O_2 for 22 days, and also in the atmosphere of an industrial area for 3 years. Simultaneously, D16 and AK4 aluminum alloys were tested for comparison. Some SAS-1 alloy specimens were anodized and some were anodized and varnished. The corrosion susceptibility was evaluated from the weight loss and from the drop in strength and ductivity. It was found that the corrosion resistance of SAS-1 and SAS-3 alloys in the industrial atmosphere was equal to that of AK4 alloy, with a loss of strength of

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Table 1. Composition of SAS aluminumbase alloys.

			Che	mic	al	CO	mpc	181	tio	n,	7		
	Alloy	SI	SIC	Ni	cr	Σs	ME	Cu	Ze	Pe	u	Mn	Ti
4	SAS-1	29,15	-	3,85	-	_	_	_	-		·	-	-
	SAS-1	30,0	_	7,0 5,0		-	<u>-</u>	=	=	<u>-</u>		=	=
/; /;	SAS-1 SAS-3 SAS-4	31,6 32,8 13,4	16,25	5.1	7,3	=	_	=	Ξ		=	=	=
_	D16 AK-1	0,3	=	1,3	=	0,6	1,6	4.8 2.1	=	0,2 1,4	2,1	=	0,09

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23.3-27.4% for the former and 28.6% for the latter in 3 years and a weight loss of ... 0.0017-0.0030 g/cm² for the former and 0.0029 for the latter. In the 22-day test in a 3% solution of sodium chloride, the SAS-1 alloy strength loss amounted to 60.5-63.0% and the weight loss to 0.377-0.480 g/cm2. Corresponding figures for D16 alloy were 11.9% and 0.063 g/cm² and for AK4 alloy, 24.2% and 0.063 g/cm². SAS-4

alloy, however, after 40 days in a 3% sodium chloride solution, showed no changes in strength and ductility. Anodizing and anodizing with varnishing greatly improved the corrosion resistance of SAS-1 and lowered the strength loss by a factor of 1.5 and 5-6, respectively. Orig. art. has: 3 figures and 5 tables.

SUB CODE: 11 1/2/ SUBM DATE: none/ ATD PRESS: 5057

11b Card 2/2

D dorration EMP(K)/EMI(M)/EMP(C)/EMP(t)/ETI IJP(C) JH/JD/WB	
ACC NR: AT6024941 (1,N) SOURCE CODE: UR/2981/66/000/004/0277/028	7
AUTHOR: Komissarova, V. S.; Kireyeva, A. F.; Stepanova, M. G.; Fridlyander, I. N.	
Ona.	
TITIE: Corrosion resistance of SAP material ### ### ############################	
SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 277-287	
TOPIC TAGS: sintered aluminum powder, corrosion resistance	
ABSTRACT: The corrosion resistance of SAP-1 sintered aluminum powder material in the atmosphere and in 3% NaCl was studied in the presence of 0.1% H ₂ O ₂ as a function of the content of aluminum oxide (1/to 16%) and iron (0.01 to 1%) on rods and sheets. It was found to be close to that of pure AOO aluminum. The iron admixture has an undesir able effect on the corrosion resistance of SAP material, and the iron content should therefore be limited to 0.2%. Above this value, the elongation loss after 10 months of tests in the atmosphere amounts to an average of 25-30%. Studies of the electrochemical behavior of SAP as a function of the aluminum and iron content showed the chemical measurements: iron is an active cathodic inclusion, and its content above 0.2% is not permissible; aluminum oxide can also be regarded as a cathodic inclusion,	
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but i 7 fig	t dis	plays and 7	only a very tables.	slight	effec	tiven	ess in	3% NaCl	. solution	orig.	art.	he
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L 46970**-6**6 EVT(m)/T/EWP(w)/EWP(t)/ETIJJP(c) THYTDAM ACC NR. AT6024945 (N, Λ) SOURCE CODE: UR/2981/66/000/004/0303/0306 AUTHOR: Kutaytseva, Ye. I.; Komissarova, V. S.; Butusova, I. V.; Yegorova, N. V.; Usacheva, R. P. ORG: none TITIE: High-strength corrosion-resistant W1 alloy SOURCE: Alyuminiyevyye splavy, no. 4, 1966. Zharoprochnyye i vysokoprochnyye splavy (Heat resistant and high-strength alloys), 303-306 TOPIC TAGS: aluminum alloy property, high strongth alloy, corresion resistant alloy ABSTRACT: The corrosion-fatigue properties of alloys of the Al-Mg-Zn system were studied at a constant content of 4% Zn, 0.35% Mn, and 0.17% Cr, with admixtures of copper from 0 to 1.5% and magnesium from 0 to 4%. Rod specimens were quenched from 477°C in water and air, and aged for 4 hr at 100°C + 8 hr at 157°C. The optimum composition of the alloy was given the designation V91. It contained 3.7-4.5% Zn, 1.6-2.0% Mg, 0.6-1.0% Cu, 0.1-0.25% Cr, 0.2-0.5% Mn, bal. aluminum. The strongth character teristics of this alloy were determined. In absolute values, the corrosion-fatigue of strength of W1 is higher than that of AV and AD3 Alloys, but from the standpoint of loss of fatigue strength resulting from the attack of the corrosive medium (0.001% NaCl), V91 is inferior to AD33. It is concluded that semifinished products of V91 Card 1/2

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MANIKHAS, M.G.; KOMISSAROVA, Ye.I.; SAYEVICH, A.G.

Joint work of a dermato-venereological clinic and a women's health center in the control of trichomoniasis. Vest.derm.i ven. no.5:65-68 '61. (MIRA 14:12)

1. Iz kozhno-venerologicheskogo dispensera (glavnyy vrach M.G. Manikhas) i zhenskoy konsulitatsii No.1 Ob"yedineniya rodil'nogo doma (glavnyy vrach M.V. Kovaleva) Rybinska Incelevskoy oblasti. (TRICHOMONIASIS)

BASKCVA, K.a.; DZHELEPCV, B.S.; KCMISSARCVA, Z.A.

Positron annihilation in sulfur, selenium, and silicon. Zhur. eksp. i teor. fiz. 40 no.4:1001-1003 Ap '61. (MIRA 14:7)

1. Leningradskiy gosudarstvennyy universitet. (Positrons) (Quantum theory)

Komissaruk, A. M. Fields of vectors in a two-dimensional Riemannian space. Minsk. Gos. Ped. Inst. A. M. 1-Gor'k. Uč. Zap. 5 (1956), 15-40. (Russian)
Soit donnée une surface V₂CE₂, soient {r₁, r₂, n} (n) étant le vecteur normal) les repères locaux. L'A. introduit

Soit donnée une surface V_2CE_3 , soient $\{r_1, r_2, n\}$ (nétant le vecteur normal) les repères locaux. L'A. introduit la notion de dérivée d'une fonction φ (vecteur a) selon le vecteur x par $\varphi'x = \varphi_{la}x^a$ ($a'x = a^a_{la}x^ar_a$), il démontre les identités de Ricci, Bianchi, Bianchi-Padova et les formules fondamentales pour le gradient, la divergence et le rotationnel. L'équation differentielle $a'x = \lambda x + v'x \cdot a$ pour les scalaires λ , ν et le vecteur a (a = [na], x est un vecteur arbitraire) possède une solution pour chaque surface: on trouve φ , ν , ι , μ , λ , ι des équations

(*)
$$\Delta_{\mathbf{g}} \varphi + K = 0,$$

$$\nabla_{\mathbf{v}} = (\nabla \varphi)' \widetilde{\nabla} \varphi : (\nabla \varphi)^{2} - \widetilde{\nabla} \varphi, \quad t = \nabla \varphi : \sqrt{(\nabla \varphi)^{2}},$$

$$\mu = e^{\varphi}, \quad \lambda = e^{\varphi} \sqrt{(\nabla \varphi)^{2}}, \quad a = \mu t.$$

A chaque réseau isotherme de V₂ il correspond une solution de (*) (à une constante près) et inversement chaque φ satisfaisant à (*) détermine le réseau isotherme à une rotation de la direction du réseau d'un angle constant près [voir Weise, Math. Z. 46 (1940), 665-691; MR 2, 161]. L'angle des directions des deux